中国蝽科二新种

能江

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摘要 本文记述了蝽科二新种,分别属于珀蝽属(Plautia Stål) 和卷蝽属(Paterculus Distant)。文中描述所用长度单位均为mm。

关键词 半翅目,蝽科,珀蝽属,卷蝽属,新种,中国

1 暗色珀蝽 Plautia sordida Xiong et Liu sp. nov.

长椭圆形,暗绿色,爪片和内革片暗棕红色,密布刻点。头基部刻点较密,向前端渐疏,具细皱纹,前端宽圆,中、侧叶约等长,侧缘微内凹。复眼棕褐或黑褐,单眼棕褐;单眼间距为单眼与复眼间距离的 4.4—5.0 倍。触角第 1、2 节与第 3 节的基部黄绿,第 3 节余部及第 4、5 节棕色,端部棕褐,各节长度 0.45:0.68:0.79:1.02:1.14。前胸背板侧缘不成狭边状,边缘光滑,且有一细的黑褐色线纹,前胸背板刻点较稀,黑褐;前后缘内侧各具一列密集刻点形成的沟纹;侧角间宽约为中间长的 2.6 倍;前缘凹,前侧缘直,棱具褐或黑褐色宽纹,刻点稀疏而不显著;后侧缘及后缘微内凹;前角小刺状侧指;侧角及后侧缘棕红色,侧角内侧常具一棕褐色斑。小盾片宽略大于长,中域刻点较疏,两侧稍密,端部无刻点区域狭。前翅爪片及内革片刻点粗密、棕褐色;外革片刻点细小,常形成 3 行平行的刻点列,且中间一行至中折外侧一行的距离远小于至最外一列的距离,其间常具若干散在的刻点;前缘中部和端缘外弓成弧形。膜片烟褐,伸出腹端。侧接缘绿,外露较少,刻点细密同体色;后角尖齿状,后指,黑褐。腹部背板黑褐,刻点细密。

体下方绿,头部腹面,胸部腹板及腹部腹板的脊面常为淡黄褐色。腹部腹板脊面刻点极不明显。喙黄绿,端部黑褐,达第 3 腹节腹板,各节长 0.57:1.0:0.8:0.67。中胸纵隆脊较邻近种略显著,被浓密半直立短绒毛。后胸腹板无纵沟。足略绿,胫节末端及跗节暗棕色。腹基突微隆,有时在该腹节基区有一浅红色斑。雄虫生殖囊(图 1—4)腹缘弧形,且向外扩展,腹缘内褶很发达;阳茎(图 6)系膜中叶长圆锥形,侧叶较骨化,小;中交合板长大;抱器(图 7)基部粗圆,端部成指状弯曲。雌虫生殖节(图 5)第 1 载瓣片较平,内缘中部近平行,基部稍为分歧,端部分歧略宽。

体长: ♂ 6.4—7.8, ♀7.3—9.5, 宽: ♂ 4.9—5.3, ♀5.8—6.0。

正模 δ , 云南 (**勐仑**), 1985. V. 27, 郑加容采。副模 1 δ , 同正模, 云南 (**勐**腊) 1981. V. 25, 李昌廉采, 3 ♀ ♀, 云南 (景洪), 1973. V. 22—24, 熊江采。模式标本均存

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该种体积小,与该属的其它种主要以雄性外生殖器相区别。

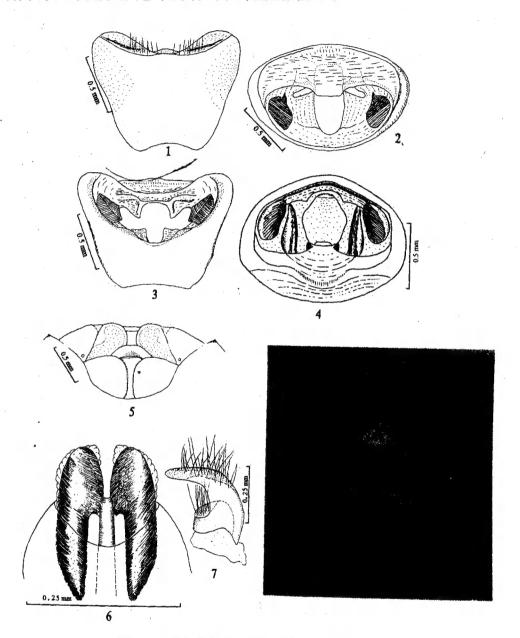


图 1-7 暗色珀蝽 Plautia sordida sp. nov.

1—4: 維虫生殖囊(male genital capsule); 5. 雌虫腹端腹面观(ventral view of female abdominal apex); 6. 阳茎(phallus); 7. 抱器(clasper)。

2 二齿卷蝽 *Paterculus bidentatus* Xiong *et* Liu sp. nov.

黄棕色,刻点均匀,黑褐,头部和前胸背板前叶明显较暗,刻点密,常毗连。头长宽比 1.35:2.3,侧叶与中叶约等长或略长于中叶,但绝不在中叶前会合,侧叶具细皱纹,

宽约为中叶之 3 倍,最外缘黑褐,端缘略上卷;复眼内侧具一光滑的肾形淡色斑。触角黄褐,第 3 节端部 1/3 及第 4、5 节端部 2/3 黑,各 节长为 0.37:0.95:1.0:1.4:1.4。喙伸达后足基节。前胸背板两侧角间具 1 光滑的淡色狭横带分割明暗区;前缘中部及前侧缘基部 2/3 的边淡黄;前侧缘直,光滑,呈狭而翘折的边,端部 1/3 黑褐。小盾片基角具黑色小凹斑,两凹斑间常有 1 对不清晰的黑褐斑,中部前方具 2 个显著的黑色圆点,近末端两侧各有一暗色斑纹,小盾片端缘淡色细狭。前翅膜片淡褐,基角黑褐,超过腹端。侧接缘各节在接缝处外缘具小黑斑。体下方淡黄。胸侧板具宽阔的黑褐色纵带,前胸侧板后角具黑密刻点,沿后角前缘具一大的黑色长斑。足浅棕色,前、中腿节下方无刺。腹部各节前缘、侧区的斑点、第 6 腹节中央大斑、最外缘各节间的小斑点及气门黑褐色。雄虫生殖囊如图 8—9,腹缘有 2 个显著的黑色尖齿。阳茎如图 10,抱器如图 11。

体长: ♂ 7.9—8.5, ♀9.2—9.3, 宽: ♂ 4.9—5.3, ♀5.8—6.0。

正模 δ ,云南(景洪),1979. \mathbb{N} .14,熊江采。副模 4 δ δ 、3 \mathcal{L} 、同正模。均存中国科学院昆明动物研究所。

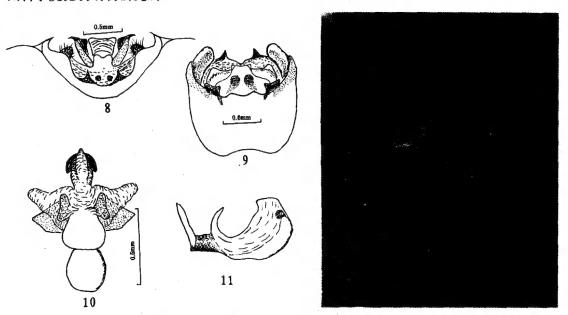


图 8—11 二齿卷蝽 Paterculus bidentatus sp. nov. 8—9. 雄虫生殖囊(male genital capsule); 10. 阳茎(phallus); 11. 抱器(clasper)。

该种生殖节后面观与 P. affinis (Distant)极相似,但体型明显较后者小,体下方暗色 纵带显著,阳茎有极显著差别。

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TWO NEW SPECIES OF PENTATOMIDAE FROM CHINA (Heteroptera: Pentatomidae)

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Abstract

Two new species of Pentatomidae from China are discribed in this paper: Plantai sordida Xiong et Liu sp. nov.

Description—Body length was 36.4-7.8 mm, 97.3-9.5 mm; pronotum width 34.0-4.8mm, \$\forall 4.2-5.4 mm; head, pronotum, scutellum and exocorium dark green; clavus and endocorium dark purplish brown; head surface finely rugose, vertex basally densely puntured, well-spaced apicad; head apex evenly and moderately rounded, lateral margins weakly sinuate before eyes; ocelli 4.4-5.0 times as far apart as distant from eyes; antennal segments I, II and base of III yellowish green, the remainder of III and IV, V brown (apex dark brown), segments length 0.45:0.68:0.79:1.02:1.14 mm. Rostrum reaching third abdominal sternite, segments length 0.57:1.0:0.80:0.67 mm; pronotum with widely spaced blackish brown punctures, a single row of very dense punctuers just inside of anteroir and posterior margins; pronotum about 2.6 time as wide across lateral angles as long medially; antero-lateral margin straight, edge with a blackish brown thread; lateral angles roundly obtuse, weakly standing out base of embolar margin; lateral angles and inside of postero-lateral margins purplish brown; inside of lateral angles of ten with a ochraceous stain; scutellum wider than long; discal punctures well-spaced, becoming denser laerally, apex narrowly impunctate; clavus and endocorium with dense and coarse dark brown punctures; exocorium finely punctured, with three rows of punctures, embolar margin and apical margin feebly and convexly arcuate;

membrance fuliginous; connexivum green, little exposed; finely, densely and regularly punctured, punctures concolorous; posterior angles acut, blackish brown; abdominal tergum blackish brown, finely and densely punctured; body beneath yellowish brown, laterally green in color; pubescence on mesosternal carina dense; legs dark green, apices of tibiae and tarsi dark brown; base of venter centrally tumid.

Male pygofer as in Figs. 1-4; phallus as in Fig. 6; clasper as in Fig. 7; female genital segment as in Fig. 5: first valvifer flat, inner margin nearly parallel in the middle, leaving a space with divergent base and apex.

Holotype, Yunnan (Menglun), 1985. V. 27, Zheng Jiarong leg; paratypes &, same as holotype, Yunnan (Mengla) 1981. V. 25, Li Changlian leg, 3 + 2, Yunnan (Jinhong) 1973. V. 22-24, Xiong Jiang leg. All type-specimens are kept in Kunming Institute of Zoology, the Chinese Academy of Science.

Paterculus bidentatus Xiong et Liu sp. nov.

Description—Yellowish brown, punctation dark, evenly spaced; coloration distinctly darker on the head anterior half of pronoturn; head length 1.35, width 2.6; slightly reflexed at apex, lateral and central lobe almost of equal length, but not meeting at apex; antennae yellowish ochraceous, apex of 3-5 segments blackish brown, segment lengths 0.37: 0.95:1.0:1.4: 1.4 mm. Rostrum reaching the posterior coxae; pronotum with median portion of anterior margin and proximal 2/3 of antero-lateral margin light yellow; antero-lateral margin strainght, narrowly reflexed; connexivum with a small black spots between the sutures; body beneath yellowish, lateral area with a brown longitudinal fascia; male genital segment as in Figs. 8-9 phallus as in Fig. 10, clasper as in Fig.11; body length: 37.9-8.5 mm, 9.2-9.3 mm; width 4.9-5.3 mm, 9.2-9.3 mm; width 4.9-5.3 mm, 9.2-9.3 mm; width 4.9-5.3 mm, 9.2-9.3 mm; width 3.2-9.3 mm; wid

Holotype (3), Yunnan (Jinhong), 1979. IX.14, Xinog Jiang leg. Paratype $4 \ 3 \ 3 \ 4 \ 5$, same as holotype. All type specimens are kept in Kunming Institute of Zoology, the Chinese Academy of science.

Allied to P. affinis (Distant), but smaller in size with different phallus.

Key words Heteroptera, Pentatomidae, Genus Plautia Stål, Genus Paterculus Disant, New species, China